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				Application Number	10/820,896
INFORMATION DISCLOSURE			ISCLOSURE	Filing Date	04/08/2004
· S1	STATEMENT BY APPLICANT			First Named Inventor .	Newcomb
٠.				Group Art Unit	1762 - 1709
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Sheet	1	of	4	Attorney Docket Number	APPL-001/00US

	U.S. PATENT DOCUMENTS							
Examiner	Cite	U.S. Patent Document Number Kind C		Date of Publication of Cite Document MM-DD-YYY				
Initials*	No.1	(if kno	own)					
/MB/		2001/0047936A1	McLeod	12/06/2001				
1		2002/0029959A1	Kamikura	03/14/2002				
		2002/0092766A1	Lampkin	07/18/2002				
	1	2002/0189939A1	German	12/19/2002				
		2003/0136672A1	Barrett	07/24/2003				
		521,638	Cleal	06/19/1894				
1		4,356,073	McKelvey	10/26/1982				
		4,407,713	Zega	10/04/1983				
		4,417,968	McKelvey	11/29/1983				
1		4,422,916	McKelvey	12/27/1983				
	1	4,443,318	McKelvey	04/17/1984				
\neg	1	4,445,997	McKelvey	05/01/1984				
	1	4,466,877	McKelvey	08/21/1984				
		4,519,885	Innis	05/28/1985				
		4,904,362	Gaertner	02/27/1990				
		4,927,515	Keith	05/22/1990				
	 	5,047,131	Wolfe	09/10/1991				
		5,096,562	Boozenny	03/17/1992				
	 	5,100,527	Stevenson	03/31/1992 -				
_	 	5,106,474	Dickey	04/21/1992				
	 	5,108,574	Kirs	04/28/1992				
	1	5,156,727	Bjornard	10/20/1992				
	1	5,158,660	Devigne	10/27/1992				
	1	5,171,411	Hillendahl	12/15/1992				
	† 	5,200,049	Stevenson	04/06/1993				
1		5,213,672	Hartig	05/25/1993				
1	 	5,262;032	Hartig	11/16/1993				
		5,338,422	Belkind	08/16/1994				
	Ť T	5,354,446	Kida	10/11/1994				
\neg	Ì	5,364,518	Hartig	11/15/1994				
\neg		5,384,021	Thwaites	01/24/1995				
		5,445,721	Bower	08/29/1995				
\neg	† · · · ·	5,464,518	Sieck	11/07/1995				
<u> </u>	 	5,470,452	Dickey	11/28/1995				
7/7	1	5,487,821	Sieck	01/30/1996				
$\overline{}$		5,518,592	Bower	05/21/1996				

Examiner	Michael Dand	Date	04/00/2007
Signature	/Michael Band/	Considered	04/09/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.
² See attached Kinds of U.S. Patent Documents.

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Su	bstitute for fo	orm 1449A/PT	0		n	
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U.S. PATENT DOCUMENTS							
		U.S. Patent Document			Date of Publication of Cited		
Examiner Initials*	Cite No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Document MM-DD-YYYY		
/MB/		5,527,439		Sieck	06/18/1996		
1		5,539,272		Taylor	07/23/1996		
	l	5,558,750		Szczyrbowski	09/24/1996		
		5,563,734		Wolfe	10/08/1996		
		5,567,289		Taylor	10/22/1996		
		5,571,393		Taylor	11/05/1996		
		5,591,314		Morgan	01/07/1997		
		5,616,225		Sieck	04/01/1997		
		5,620,577		Taylor	04/15/1997		
		5,645,699		Sieck .	07/08/1997		
		5,683,558		Sieck	11/04/1997		
		5,688,388		Bahr .	11/18/1997		
		5,725,746	1	Dickey	03/10/1998		
		5,814,195		Lehan	09/29/1998		
		5,968,328		Teschner	10/19/1999		
		6,365,010B1	1	Hollars	04/02/2002		
∇Z		6,375,815B1		Lynn	04/23/2002		
_		6,475,354B1	1	Toyama	11/05/2002		

Examiner Signature	/Michael Band/	Date Considered	04/09/2007	

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Sul	bstitute for fo	rm 1449A/P1	то	Complete if Known				
				Application Number 10/820,896				
INFORMATION DISCLOSURE			ISCLOSURE	Filing Date	04/08/2004			
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	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	Office Foreign Patent Document Office Number Kind Code (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T,				
/MB/	 	DE	10004787A1 ·	(II Kilowil)	Erbkamm	03/15/2001	-			
	i	DE	10063383C1	}	Heck	03/14/2002				
		DE	10213043A1		Erbkamm	10/09/2003				
		DE	10213049A1	1	Wurczinger	10/02/2003				
	1	DE	19610253C2	1	Kirchhoff	1/14/1999				
	1	DE	19623359A1		Bahr	02/20/1997				
		DE	19651378A1		Teschner	06/18/1998				
		DE	19953470A1		Bach	05/23/2001	· · · · · ·			
		DE	3229969A1		Erbkamm	04/21/1983				
		DE	4117367C2		Hartig	11/04/1999				
		DE	4117368A1		Hartig	12/03/1992				
		DE	4117518C2		Hartig	06/21/2000				
	L	DE	4126236C2		Hausler	01/05/2000				
		DE -	4342766A1		Linnenbrugger	06/22/1995				
		DE	4418906A1		Szczyrbowski	12/07/1995				
		EP	0740710B1		Lampkin	04/02/2003				
		EP_	0969238A1		Cnockaert	01/05/2000				
	[EP	1097766A1		Bach	05/09/2001				
		EP	1179515AI ^M		Krisko	02/13/2002				
		EP	1179516A1 .		Krisko	02/13/2002				
		EP	1186682A2		Schlott	03/13/2002				
		EP	1251547A1		Sleck	10/23/2002				
		EP	1365436A2		Barrett	11/26/2003				
		EP	0300995B1		Gartner	02/08/1995				
,,		EP	0502068B1		Wolfe	04/05/1995				
		EP	0537011B1		Thwaites	07/22/1998				
	L	EP	0537012A1		Thwaites	04/14/1993				
		EP.	0586809B1		Vanderstraeten	03/10/1999				
		EP	0589599B1		Ito	11/18/1998				
		EP	0638659A3		Hartig	04/17/1996	,			
		EP	0703599B1		Dresse	12/03/1997				
		EP	0724025B1		Sieck	04/10/2002				
		FR	2745010		Not listed	02/20/1996				
$\Delta \mathcal{L}$		JP	P2003-183823A		Listed in Japanese	07/03/2003				
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⁴ Applicant is to place a check mark here if English language Translation is attached.

Sul	bstitute for for	m 1449A/P7	го	Complete if Known			
				Application Number	10/820,896		
I	VFORMA	TION D	ISCLOSURE	Filing Date	04/08/2004		
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			_	Group Art Unit	1702 1709		
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	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	o.' Foreign Fatent Bocument		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document			
		Office ¹		Kind Code ³ (if known)	Document	MM-DD-YYYY	Τ'	
/MR/	L	wo	02/20866A1		Kamiyama	09/05/2001		
		WO	02/27057A2		Hartig	04/04/2002		
		wo	03/006703A1		Nyberg	01/23/2003		
		wo	85/00925		McKelvey	02/28/1985		
		wo	92/01081		Belkind	01/23/1992		
	I	wo	96/21750		Lehan	07/18/1996		
		wo	97/25451		Vanderstraeten	07/17/1997		
		wo	98/42890	·	Chapin	10/01/1998		
		wo	99/54911		De Bosscher	10/28/1999		
<u> </u>		wo	99/61674		Hoste	12/02/1999		
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Application Number	10/820,896
Filing Date	April 8, 2004
First Named Inventor	Richard Newcomb et al.
Group Art Unit	1762 17 09
Examiner Name	Hot Yet Assigned /Michael Band/
Attorney Docket Number	APPL-001/00US

U.S. PATENT DOCUMENTS							
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/MB/	1.	5,169,509		LATZ ET AL.	12/08/92		
/MB/	2.	5,385,578	1	BUSH ET AL.	01/31/95		
/MB/ /MB/ /MB/	3.	6,635,154 B2		JOHNSON ET AL.	10/21/03		
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		Group Art Unit	1709
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/MB/	A.	JP	01305523 (JP Abstra	ct)	NEC YAMAGATA LTD	08/12/89	

		OTHER – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	itials* No. magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
/MR/	I.	European Search Report, August 29, 2005, 6 pages				
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	3	Application Number	10/820,896
IN	FORMATION DESCLOSUED	Filing Date	April 8, 2004
Information disclosure Statement by Applicant		First Named Inventor	Richard Newcomb et al.
		Group Art Unit	1762 1709
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INFORMATION DISCLOSURE		Filing Date	April 8, 2004
S	FATEMENT BY APPLICANT	First Named Inventor	Richard Newcomb et al.
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/MB/	A.	EP	1321537A1		Ueda, Hiroshi	06/25/2003	
/MB/	B.	wo	04/005574A2		Wityak, George	01/15/2004	
/MR/	C.	wo	98/07565		George, Mark	02/26/1998	
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Initials* No.1			(if known)		Document MM-DD-YYYY		
./MB/	1.	5,231,057	· -	Doki et al.	07/27/1993		
/MB/ /MB/	2.	5,643,638		Otto et al.	07/01/1997		
/MB/	3.	5,985,375		Donohoe et al.	11/16/1999		
/MB/	4.	6,177,148		Walther et al.	01/23/2001		
/MB/ /MB/ /MB/	5.	6,720,037		Aota et al.	04/13/2004		
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document		ent		Date of Publication	
		Office'	Number ²	Kind Code ³ (if known)	Name of Patentee or Applicant of Cited Do Occument Of Cited Do MM-DD-Y	of Cited Document MM-DD-YYYY	
/MB/		DE	19616187A1 (New 200	6)	Dr. Willi Neff	04/23/1996	
		DE	19717127A1 (New 200	6)	Dr. Willi Neff	04/23/1997	<u> </u>
		EP	0710429B1 (New 2006))	Jonathan Reschke et al.	06/23/1999	
		GB	2400613A (New 2006)		Franz Laermer	10/20/2004	
		JP	10104862A (New 2006)	Kyocera Corp.	09/30/1996	
\sqrt{Z}		JP	11026433A (New 2006)	Matsushita Electronics Corp.	07/02/1997	<u> </u>
<u> </u>		JP	5051753A (New 2006)		Nisshin Electrical Co.	08/22/1991	
	<u> </u>						

OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Citė No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
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